NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special				Test Date: 2/12/81	
Company: Lively Exploration Co.			Connection:		
Pool: Basin Dakota			Formation: Dakota		Unit:
Completion Date: 2/3/81	Total Depth: 7575'		Plug Back TD: 7527'	Elevation: 6435'GL	Farm or Lease Name: Lively
Csg. Size: 4-1/2 / Wt.: 10.50 & 11.60 / d: 4.052 / Set At: 7569'			Perforations: From 7384' To 7424'		Well No.: 3-E
Tbg. Size: 2-3/8 / Wt.: 4.70 / d: 1.995 / Set At: 7409'			Perforations: From To		Unit: E / Sec.: 9 / Twp.: 29N / Rge.: 8W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: None		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F: 156 @ 7575	Mean Annual Temp. °F: 60	Baro. Press. – P_a: 12.0		State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
7409	7409		--	--	--	--	--	--

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size	X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI						2100		1900		7 day
1.	3/4" THC					220	60	920		3 Hr.
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS

NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P_m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		232	1.000	1.000	1.000	2869
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____
Specific Gravity Flowing Fluid XXXXX
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

RECEIVED
FEB 27 1981
OIL CON. DIV.
DIST. 3

P_c 1912 P_c^2 3,655,744

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		932	868,624	2,787,120
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3117$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.2556$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3516$

Absolute Open Flow _____ Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n 0.75

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Steve Martin Dale	Dewayne Blancett	